

---

**COMBINED DECLARATION AND POWER OF ATTORNEY**  
(ORIGINAL, DESIGN, NATIONAL STAGE OF PCT)

---

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Title: **SHALLOW TRENCH ISOLATION (STI) REGION WITH HIGH-K LINER AND METHOD OF FORMATION**

the specification of which

☒ is attached hereto, or

☐ was filed as United States Application or PCT International Application (give Express Mail label number and deposit date if Application number not yet known):

Application No.:  
(Express Mail Label No.)

Filing Date:  
(Deposit Date)

Amended on (if applicable):

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability as defined in Title 37, Code of Federal Regulations § 1.56(a).

**CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S) UNDER 35 U.S.C. 120**

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of 35 USC 112, I acknowledge the duty to disclose material information as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

Application No.	Filing Date	Patent Number

**CLAIM FOR BENEFIT OF EARLIER U.S. PROVISIONAL APPLICATION(S) UNDER 35 U.S.C. 119(e)**

I hereby claim the benefit under 35 USC 119(e) of any United States provisional application(s) that is/are listed below

Application No.	Filing Date
60/340,001	December 10, 2001

**POWER OF ATTORNEY**

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (List name and registration number)

Name	Registration No.	Name	Registration No.
Warren A. Sklar	26,373	Neil A. DuChez	26,725
Mark D. Saralino	34,243	M. David Galin	41,767
Jonathan A. Platt	41,255	Cynthia S. Murphy	33,430
Thomas W. Adams	35,047	Joseph J. Crimaldi	41,690
Paul R. Steffes	43,156	Andrew Romero	43,890
Michael D'Aurelio	40,977	Todd R. Tucker	40,850
Elizabeth A. Apperley	36,428	Richard J. Roddy	27,688
Paul S. Drake	33,491	Michael Caywood	37,797
Bradley Botsch	34,552	Harry A. Wolin	32,638
Rajendra Jaipershad	44,168	Daniel R. Collopy	33,667
Diana Roberts	36,654		

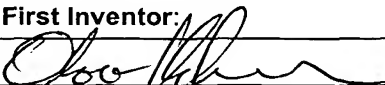
**Send Correspondence To:**

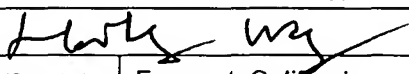
M. David Galin  
Renner, Otto, Boisselle & Sklar, LLP  
1621 Euclid Ave. - 19th Floor  
Cleveland, Ohio 44115

**Direct Telephone Calls To:**

Name: M. David Galin  
Tel. No: 216/621-1113  
Fax No: 216/621-6165

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued therein.

<b>Full Name of Sole or First Inventor:</b>		Olov B. Karlsson	
Inventor's signature:		Date:	5/13/02
Residence: (City & State/Country):	San Jose, California	Citizenship:	Sweden
Post Office Address:	3162 Stimson Way, San Jose, California 95135		

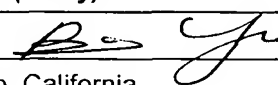
<b>Full Name of Additional Joint Inventor (if any):</b>		HaiHong Wang	
Inventor's signature:		Date:	5/13/02
Residence: (City & State/Country):	Fremont, California	Citizenship:	China
Post Office Address:	34170 Donahue Terrace, Fremont, California 94555		

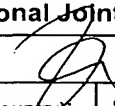
CHECK FOR ANY OF THE FOLLOWING ADDED PAGE(S) WHICH  
FORM A PART OF THIS DECLARATION

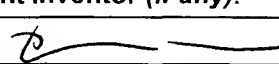
- ☒ Signature for third and subsequent joint inventors. Number of pages added 1.
- ☐ Added page to combined declaration and power of attorney for divisional, continuation, or continuation-in-part (CIP) application.
- ☐ This declaration ends with this page.

H:\109\CASES\amds\G600\PG0603USA\amds\pg0603usa.declaration

**ADDED PAGE TO COMBINED DECLARATION AND POWER OF ATTORNEY  
FOR SIGNATURE BY THIRD AND SUBSEQUENT INVENTORS**

<b>Full Name of Additional Joint Inventor (if any):</b>		Bin Yu	
Inventor's signature:		Date:	5/15/02
Residence: (City & State/Country):	Cupertino, California	Citizenship:	China
Post Office Address:	1373 Poppy Way, Cupertino, California 95014		

<b>Full Name of Additional Joint Inventor (if any):</b>		Zoran Krivokapic	
Inventor's signature:		Date:	5/14/02
Residence: (City & State/Country):	Santa Clara, California	Citizenship:	United States
Post Office Address:	2321 De Varona Place, Santa Clara, California 95050		

<b>Full Name of Additional Joint Inventor (if any):</b>		Qi Xiang	
Inventor's signature:		Date:	5/13/02
Residence: (City & State/Country):	San Jose, California	Citizenship:	China
Post Office Address:	1119 Thames Drive, San Jose, California 95129		

H:\109\CASES\amds\G600\PG0603USA\amdspg0603usa.declaration.2